What is claimed is:

1. A method for treating an acute medical condition in a subject with a lipophilic agent, comprising:

providing the lipophilic agent in an oil formulation in the presence of benzyl alcohol, and

administering the formulation subcutaneously (i) to provide a peak plasma concentration of the lipophilic agent within 4 hours after the subcutaneous administration; and (ii) to achieve sustained delivery.

2. The method according to claim 1, wherein the lipophilic molecule is a polycyclic phenolic compound.

3. The method according to claim 2, wherein the polycyclic phenolic compound is a steroid.

4. The method according to claim 3, wherein the steroid compound is an estrogen compound.

5. The method according to claim 1, wherein the lipophilic molecule is a benzodiazapine.

6. The method according to claim 5, wherein the benzodiazapine is diazepam.

7. The method according to claim 1, wherein the oil is one or more vegetable oils.

8. The method according to claim 7, wherein the vegetable oil is selected from the group consisting of corn, sesame, cottonseed, soybean, poppy seed, castor, olive, canola, rapeseed, peanut, sunflower and mixtures thereof.

9. A method according to claim 1, wherein the medical condition is an ischemic condition or trauma.

10. A method according to claim 9, wherein the ischemic condition or trauma is selected from: a stroke, subarachinoid hemorrhage, cerebrovascular injury, vasospasm, head injury, myocardial infarction and angina.

11. A method according to claim 1, wherein the medical condition is an epileptic seizure.

12. A dosage unit for subcutaneous administration, comprising: a formulation of a non-estrogenic lipophilic molecule in an oil packaged in a dosage unit for subcutaneous delivery.

13. A dosage unit according to claim 12, wherein the lipophilic agent is a polycyclic compound with a terminal phenol group.

14. A dosage unit according to claim 12, wherein the lipophilic compound is benzodiazepine.

15. A dosage unit according to claim 14, wherein the benzodiazepine is diazepam.

16. A dosage unit for subcutaneous administration, comprising: a formulation of a lipophilic molecule in an oil and benzyl alcohol, packaged in a dosage unit for subcutaneous delivery.

17. A dosage unit according to claim 12, wherein the lipophilic agent is a polycyclic compound with a terminal phenol group.

18. A dosage unit according to claim 17, wherein the polycyclic compound with a terminal phenol group is a steroid.

19. A dosage unit according to claim 18, wherein the steroid is an estrogen compound.

20. A dosage unit according to claim 12, wherein the lipophilic compound is benzodiazepine.

21. A dosage unit according to claim 20, wherein the benzodiazepine is diazepam.

22. A method of treating an acute medical condition in a subject with a non-estrogenic lipophilic agent, comprising:

providing the non-estrogenic lipophilic agent in an oil formulation, and administering the formulation subcutaneously (i) to provide a peak plasma concentration of the lipophilic agent within 4 hours after the subcutaneous administration; and (ii) to achieve sustained delivery.

23. A method according to claim 22, wherein the lipophilic agent is a polycyclic compound with a terminal phenol group other than estrogen.

24. A method according to claim 22, wherein the lipophilic compound is benzodiazepine.

25. A method according to claim 24, wherein the benzodiazepine is diazepam.

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